

#9



1644

RAW SEQUENCE LISTING

DATE: 04/12/2002

PATENT APPLICATION: US/09/728,421B

TIME: 15:00:48

Input Set : A:\A-579D.ST25.txt

Output Set: N:\CRF3\04122002\I728421B.raw

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3 <110> APPLICANT: Yoshinaga, Steven K.
 5 <120> TITLE OF INVENTION: Novel Polypeptides Involved in Immune Response
 7 <130> FILE REFERENCE: A-579D
 9 <140> CURRENT APPLICATION NUMBER: 09/728,421B
 10 <141> CURRENT FILING DATE: 2000-11-28
 12 <150> PRIOR APPLICATION NUMBER: PCT/US00/01871
 13 <151> PRIOR FILING DATE: 2000-01-27
 15 <150> PRIOR APPLICATION NUMBER: US 09/264,527
 16 <151> PRIOR FILING DATE: 1999-03-08
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 19 <151> PRIOR FILING DATE: 1999-02-03
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 28 <213> ORGANISM: Mus musculus
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 32 <222> LOCATION: (1)..(600)
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 39 1 5 10 15
 41 ctt tta aca gga gaa atc aat ggc tcg gcc gat cat agg atg ttt tca 96
 42 Leu Leu Thr Gly Glu Ile Asn Gly Ser Ala Asp His Arg Met Phe Ser
 43 20 25 30
 45 ttt cac aat gga ggt gta cag att tct tgt aaa tac cct gag act gtc 144
 46 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val
 47 35 40 45
 49 cag cag tta aaa atg cga ttg ttc aga gag aga gaa gtc ctc tgc gaa 192
 50 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glu
 51 50 55 60
 53 ctc acc aag acc aag gga agc gga aat gcg gtg tcc atc aag aat cca 240
 54 Leu Thr Lys Thr Lys Gly Ser Gly Asn Ala Val Ser Ile Lys Asn Pro
 55 65 70 75 80
 57 atg ctc tgt cta tat cat ctg tca aac aac agc gtc tct ttt ttc cta 288
 58 Met Leu Cys Leu Tyr His Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
 59 85 90 95
 61 aac aac cca gac agc tcc cag gga agc tat tac ttc tgc agc ctg tcc 336
 62 Asn Asn Pro Asp Ser Ser Gln Gly Ser Tyr Tyr Phe Cys Ser Leu Ser
 63 100 105 110

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66 ile phe asp pro pro pro phe gln glu arg asn leu ser gly gly tyr
67      115      120      125
69 ttg cat att tat gaa tcc cag ctc tgc tgc cag ctg aag ctc tgg cta      432
70 leu his ile tyr glu ser gln leu cys cys gln leu lys leu trp leu
71      130      135      140
73 ccc gta ggg tgt gca gct ttc gtt gtg gta ctc ctt ttt gga tgc ata      480
74 pro val gly cys ala ala phe val val val leu phe gly cys ile
75 145      150      155      160
77 ctt atc atc tgg ttt tca aaa aag aaa tac gga tcc agt gtg cat gac      528
78 leu ile ile trp phe ser lys lys lys tyr gly ser ser val his asp
79      165      170      175
81 cct aat agt gaa tac atg ttc atg gcg gca gtc aac aca aac aaa aag      576
82 pro asn ser glu tyr met phe met ala ala val asn thr asn lys lys
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93 <213> ORGANISM: Mus musculus
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101 leu leu thr gly glu ile asn gly ser ala asp his arg met phe ser
102      20      25      30
105 phe his asn gly gly val gln ile ser cys lys tyr pro glu thr val
106      35      40      45
109 gln gln leu lys met arg leu phe arg glu arg glu val leu cys glu
110      50      55      60
113 leu thr lys thr lys gly ser gly asn ala val ser ile lys asn pro
114 65      70      75      80
117 met leu cys leu tyr his leu ser asn asn ser val ser phe phe leu
118      85      90      95
121 asn asn pro asp ser ser gln gly ser tyr tyr phe cys ser leu ser
122      100      105      110
125 ile phe asp pro pro pro phe gln glu arg asn leu ser gly gly tyr
126      115      120      125
129 leu his ile tyr glu ser gln leu cys cys gln leu lys leu trp leu
130      130      135      140
133 pro val gly cys ala ala phe val val val leu leu phe gly cys ile
134 145      150      155      160
137 leu ile ile trp phe ser lys lys lys tyr gly ser ser val his asp
138      165      170      175
141 pro asn ser glu tyr met phe met ala ala val asn thr asn lys lys
142      180      185      190
145 ser arg leu ala gly val thr ser
146      195      200

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160 Leu Leu Thr Gly Glu Ile Asn Gly Ser Ala Asp His Arg Met Phe Ser
161 20 25 30
164 Phe His Asn Gly Gly Val Gln Ile Ser Cys Lys Tyr Pro Glu Thr Val
165 35 40 45
168 Gln Gln Leu Lys Met Arg Leu Phe Arg Glu Arg Glu Val Leu Cys Glu
169 50 55 60
172 Leu Thr Lys Thr Lys Gly Ser Gly Asn Ala Val Ser Ile Lys Asn Pro
173 65 70 75 80
176 Met Leu Cys Leu Tyr His Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
177 85 90 95
180 Asn Asn Pro Asp Ser Ser Gln Gly Ser Tyr Tyr Phe Cys Ser Leu Ser
181 100 105 110
184 Ile Phe Asp Pro Pro Pro Phe Gln Glu Arg Asn Leu Ser Gly Gly Tyr
185 115 120 125
188 Leu His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Leu Trp Leu
189 130 135 140
192 Pro Val Gly Cys Ala Ala Phe Val Val Val Leu Leu Phe Gly Cys Ile
193 145 150 155 160
196 Leu Ile Ile Trp Phe Ser Lys Lys Lys Tyr Gly Ser Ser Val His Asp
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211 <213> ORGANISM: Mus musculus
213 <400> SEQUENCE: 4
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220 20 25 30
223 Asp Ser Asn Glu Val Ser Leu Ser Cys Arg Tyr Ser Tyr Asn Leu Leu
224 35 40 45
227 Ala Lys Glu Phe Arg Ala Ser Leu Tyr Lys Gly Val Asn Ser Asp Val
228 50 55 60
231 Glu Val Cys Val Gly Asn Gly Asn Phe Thr Tyr Gln Pro Gln Phe Arg
232 65 70 75 80
235 Ser Asn Ala Glu Phe Asn Cys Asp Gly Asp Phe Asp Asn Glu Thr Val
236 85 90 95
239 Thr Phe Arg Leu Trp Asn Leu His Val Asn His Thr Asp Ile Tyr Phe

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240          100          105          110
243 Cys Lys Ile Glu Phe Met Tyr Pro Pro Pro Tyr Leu Asp Asn Glu Arg
244          115          120          125
247 Ser Asn Gly Thr Ile Ile His Ile Lys Glu Lys His Leu Cys His Thr
248          130          135          140
251 Gln Ser Ser Pro Lys Leu Phe Trp Ala Leu Val Val Ala Gly Val
252 145          150          155          160
255 Leu Phe Cys Tyr Gly Leu Leu Val Thr Val Ala Leu Cys Val Ile Trp
256          165          170          175
259 Thr Asn Ser Arg Arg Asn Arg Leu Leu Gln Val Thr Thr Met Asn Met
260          180          185          190
263 Thr Pro Arg Arg Pro Gly Leu Thr Arg Lys Pro Tyr Gln Pro Tyr Ala
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267 Pro Ala Arg Asp Phe Ala Ala Tyr Arg Pro
268          210          215

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271 <210> SEQ ID NO: 5

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273 <212> TYPE: PRT

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277 <223> OTHER INFORMATION: Synthetic

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285 <400> SEQUENCE: 5

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      292          20          25          30
W--> 295 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      296          35          40          45
W--> 299 Val Xaa Xaa Ser Cys Xaa Tyr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      300          50          55          60
W--> 303 Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val Xaa Xaa Cys Xaa
      304 65          70          75          80
W--> 307 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      308          85          90          95
W--> 311 Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Asn Xaa Xaa Val Xaa Phe Xaa Leu
      312          100          105          110
W--> 315 Xaa Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Tyr Phe Cys Xaa Xaa Xaa
      316          115          120          125
W--> 319 Xaa Xaa Xaa Pro Pro Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Xaa Gly Xaa
      320          130          135          140
W--> 323 Xaa Xaa His Ile Xaa Glu Xaa Xaa Leu Cys Xaa Xaa Xaa Xaa Xaa Xaa
      324 145          150          155          160
W--> 327 Lys Leu Xaa Trp Xaa Leu Xaa Val Xaa Xaa Xaa Xaa Xaa Xaa Phe Xaa Xaa
      328          165          170          175
W--> 331 Xaa Xaa Leu Leu Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Ile Trp Xaa Xaa Xaa

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Input Set : A:\A-579D.ST25.txt

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332 180 185 190
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 336 195 200 205
 W- 339 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg
 340 210 215 220
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 344 225 230
 347 <210> SEQ ID NO: 6
 348 <211> LENGTH: 966
 349 <212> TYPE: DNA
 350 <213> ORGANISM: Mus musculus
 352 <220> FEATURE:
 353 <221> NAME/KEY: CDS
 354 <222> LOCATION: (1)..(966)
 355 <223> OTHER INFORMATION:
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 361 1 5 10 15
 363 gtt tgg aag aag ctc cat gtt tct agc ggg ttc ttt tct ggt ctt ggt 96
 364 Val Trp Lys Lys Leu His Val Ser Ser Gly Phe Phe Ser Gly Leu Gly
 365 20 25 30
 367 ctg ttc ttg ctg ctg ttg agc agc ctc tgt gct gcc tct gca gag act 144
 368 Leu Phe Leu Leu Leu Ser Ser Leu Cys Ala Ala Ser Ala Glu Thr
 369 35 40 45
 371 gaa gtc ggt gca atg gtg ggc agc aat gtg gtg ctc agc tgc att gac 192
 372 Glu Val Gly Ala Met Val Gly Ser Asn Val Val Leu Ser Cys Ile Asp
 373 50 55 60
 375 ccc cac aga cgc cat ttc aac ttg agt ggt ctg tat gtc tat tgg caa 240
 376 Pro His Arg Arg His Phe Asn Leu Ser Gly Leu Tyr Val Tyr Trp Gln
 377 65 70 75 80
 379 atc gaa aac cca gaa gtt tcg gtg act tac tac ctg cct tac aag tct 288
 380 Ile Glu Asn Pro Glu Val Ser Val Thr Tyr Tyr Leu Pro Tyr Lys Ser
 381 85 90 95
 383 cca ggg atc aat gtg gac agt tcc tac aag aac agg ggc cat ctg tcc 336
 384 Pro Gly Ile Asn Val Asp Ser Ser Tyr Lys Asn Arg Gly His Leu Ser
 385 100 105 110
 387 ctg gac tcc atg aag cag ggt aac ttc tct ctg tac ctg aag aat gtc 384
 388 Leu Asp Ser Met Lys Gln Gly Asn Phe Ser Leu Tyr Leu Lys Asn Val
 389 115 120 125
 391 acc cct cag gat acc cag gag ttc aca tgc cgg gta ttt atg aat aca 432
 392 Thr Pro Gln Asp Thr Gln Glu Phe Thr Cys Arg Val Phe Met Asn Thr
 393 130 135 140
 395 gcc aca gag tta gtc aag atc ttg gaa gag gtg gtc agg ctg cgt gtg 480
 396 Ala Thr Glu Leu Val Lys Ile Leu Glu Glu Val Val Arg Leu Arg Val
 397 145 150 155 160
 399 gca gca aac ttc agt aca cct gtc atc agc acc tct gat agc tcc aac 528
 400 Ala Ala Asn Phe Ser Thr Pro Val Ile Ser Thr Ser Asp Ser Ser Asn
 401 165 170 175

RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\A-579D.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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